

ABSTRACT OF THE DISCLOSURE

Disclosed are a low pass filter, and a direct conversion receiver (DCR) implementing the same, which filter first and second signal channels with improved phase and gain match, allowing use of the filter and DCR in wideband environments. A first M-pole filter channel, comprised of a first plurality of 2-pole active filter stages, filters the first signal channel. A second M-pole filter channel, comprised of a second plurality of 2-pole active filter stages, filters the second signal channel. One of the second plurality of 2-pole filter stages includes two variable components. The values of the variable components of the second M-pole filter channel are adjusted to match the gain and phase of the first and second filter channels.

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